

UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, Virginia 22313-1450
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/807,583	03/18/2004	George E. Spooner JR.	84,040	4137
7590	09/30/2008			
Office of Counsel Code OC4 Naval Surface Warfare Center Indian Head Division 101 Strauss Ave., Bldg. D-31 Indian Head, MD 20640-5035			EXAMINER	
			CLEMENT, MICHELLE RENEE	
			ART UNIT	PAPER NUMBER
			3641	
			MAIL DATE	DELIVERY MODE
			09/30/2008	PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Office Action Summary	Application No.	Applicant(s)
	10/807,583	SPOONER, GEORGE E.
	Examiner Michelle (Shelley) Clement	Art Unit 3641

— The MAILING DATE of this communication appears on the cover sheet with the correspondence address --
Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS,
WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) Responsive to communication(s) filed on 07 July 2008.
- 2a) This action is FINAL. 2b) This action is non-final.
- 3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) Claim(s) 5-10 and 15 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) Claim(s) _____ is/are allowed.
- 6) Claim(s) 5-10, 15 is/are rejected.
- 7) Claim(s) _____ is/are objected to.
- 8) Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) The specification is objected to by the Examiner.
- 10) The drawing(s) filed on _____ is/are: a) accepted or b) objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 - a) All b) Some * c) None of:
 1. Certified copies of the priority documents have been received.
 2. Certified copies of the priority documents have been received in Application No. _____.
 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413) |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | Paper No(s)/Mail Date. _____ |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08) | 5) <input type="checkbox"/> Notice of Informal Patent Application |
| Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION

Response to Arguments

1. Applicant's arguments with respect to the claims have been considered but are moot in view of the new ground(s) of rejection.

Claim Rejections - 35 USC § 102

2. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

3. Claims 5, 7, 9 and 15 are rejected under 35 U.S.C. 102(b) as being anticipated by Jurek (US Patent # 4,069,607). Jurek discloses a bolt head (reference 52) (i.e. tool head) comprising: an arcuate peripheral surface of the head comprising a shape conforming to a segment of a cylinder with said cylinder having a predetermined axis running a length of the cylinder; a planar peripheral surface subtending the arcuate peripheral surface, the planar peripheral surface extends perpendicular to the arcuate peripheral surface and is disposed oppositely from a center of an arc which conforms to the arcuate peripheral surface; a forward axial end face terminating the arcuate peripheral surface and the planar peripheral surface, the forward axial end face includes at least one planar face surface which extends normal to the predetermined axis and a rectangular recess being defined by the tool head and axially extending into the tool head in a first direction along the predetermined axis from the forward axial end face, wherein the rectangular recess radially extends openly inward from the arcuate peripheral surface into the tool head in a second direction perpendicular to the predetermined axis (Figure 10). The forward

axial end face comprises an arcuate outer planar face surface, which extends radially inward from the arcuate peripheral surface, and a central planar face surface (reference 71) disposed radially within the arcuate outer planar face surface and recessed inwardly of the head from the arcuate outer planar face surface in a direction along the predetermined axis and wherein the central planar face surface is substantially perpendicular to the arcuate outer planar face surface. The head is a single piece of unitary construction. The predetermined axis is perpendicular to the planar peripheral surface.

4. Claims 5 and 6 are rejected under 35 U.S.C. 102(b) as being anticipated by Nilsson (US Patent # 4,547,988). Nilsson discloses a bolt head (reference 13) (i.e. tool head) comprising: an arcuate peripheral surface of the head comprising a shape conforming to a segment of a cylinder with said cylinder having a predetermined axis running a length of the cylinder; a planar peripheral surface subtending the arcuate peripheral surface, the planar peripheral surface extends perpendicular to the arcuate peripheral surface and is disposed oppositely from a center of an arc which conforms to the arcuate peripheral surface; a forward axial end face terminating the arcuate peripheral surface and the planar peripheral surface, the forward axial end face includes at least one planar face surface which extends normal to the predetermined axis and a rectangular recess being defined by the tool head and axially extending into the tool head in a first direction along the predetermined axis from the forward axial end face, wherein the rectangular recess radially extends openly inward from the arcuate peripheral surface into the tool head in a second direction perpendicular to the predetermined axis (Figure 6).

Claim Rejections - 35 USC § 103

5. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

6. Claim 10 is rejected under 35 U.S.C. 103(a) as being unpatentable over Jurek as applied to claim 5 above. Jurek discloses the claimed invention except for the specific material. It would have been obvious to one having ordinary skill in the art at the time the invention was made to construct the head from the specific material that dissipates static electricity, since it has been held to be within the general skill of a worker in the art to select a known material on the basis of its suitability for the intended use as a matter of obvious design choice. *In re Leshin*, 125 USPQ 416.

7. Claim 8 is rejected under 35 U.S.C. 103(a) as being unpatentable over Nilsson as applied to claim 5 above, and further in view of Brewer (US Patent # 3,106,033). Although Nilsson does not expressly disclose the head further comprising a screwhead releasably attaches a handle to the head, the screwhead disposed at an end of the tool head opposite of the forward axial end face, Brewer does. Brewer teaches a bolt head comprising a screwhead releasably attaching a handle (reference 36) to the head. The additional screwhead applied to the bolt allows for easy exchange of different handles. Thus, it would have been obvious to one of ordinary skill in the art to apply the technique of attaching the handle with a screw as taught by Brewer to the bolt head as shown in Nilsson for the predictable result of enabling easy exchange of handles.

Conclusion

8. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Michelle (Shelley) Clement whose telephone number is 571.272.6884. The examiner can normally be reached on Monday thru Thursday 9-5.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Michael Carone can be reached on 571.272.6873. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/Michelle (Shelley) Clement/
Primary Examiner, Art Unit 3641

Notice of References Cited		Application/Control No.	Applicant(s)/Patent Under Reexamination	
		10/807,583	SPOONER, GEORGE E.	
Examiner Michelle (Shelley) Clement		Art Unit 3641	Page 1 of 1	

U.S. PATENT DOCUMENTS

*		Document Number Country Code-Number-Kind Code	Date MM-YYYY	Name	Classification
*	A	US-4,547,988	10-1985	Nilsson, Lennart C. O.	42/16
*	B	US-4,069,607	01-1978	Jurek, Julius V.	42/25
*	C	US-3,106,033	10-1963	BREWER MARGARET W	42/69.02
	D	US-			
	E	US-			
	F	US-			
	G	US-			
	H	US-			
	I	US-			
	J	US-			
	K	US-			
	L	US-			
	M	US-			

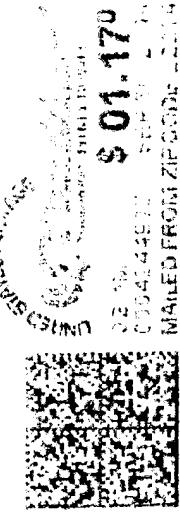
FOREIGN PATENT DOCUMENTS

*		Document Number Country Code-Number-Kind Code	Date MM-YYYY	Country	Name	Classification
	N					
	O					
	P					
	Q					
	R					
	S					
	T					

NON-PATENT DOCUMENTS

*		Include as applicable: Author, Title Date, Publisher, Edition or Volume, Pertinent Pages)
	U	
	V	
	W	
	X	

*A copy of this reference is not being furnished with this Office action. (See MPEP § 707.05(a).)
Dates in MM-YYYY format are publication dates. Classifications may be US or foreign.



U. S. Department of Commerce
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450
If Undeliverable Return in Ten Days

**OFFICIAL BUSINESS
PENALTY FOR PRIVATE USE, \$300**

AN EQUAL OPPORTUNITY EMPLOYER

<input checked="" type="checkbox"/> Not Delivered As Addressed	<input type="checkbox"/> Unable To Forward
<input type="checkbox"/> Incorrect Address	<input type="checkbox"/> Incorrect Name
<input type="checkbox"/> Return Address	<input type="checkbox"/> Return Address
<input type="checkbox"/> Name	<input type="checkbox"/> Name
<input type="checkbox"/> Unpaid	<input type="checkbox"/> Unpaid
<input type="checkbox"/> Attention	<input type="checkbox"/> Attention
<input type="checkbox"/> No Such Street	<input type="checkbox"/> No Such Street
<input type="checkbox"/> No Mail Received	<input type="checkbox"/> No Mail Received
<input type="checkbox"/> Box Closed - No M.	<input type="checkbox"/> Box Closed - No M.
<input type="checkbox"/> Return For C	<input type="checkbox"/> Return For C
<input type="checkbox"/> Postage Due	<input type="checkbox"/> Postage Due

1. **What is the primary purpose of the study?**
2. **What is the study's main finding?**
3. **How does the study contribute to the field?**
4. **What are the key takeaways from the research?**
5. **What are the implications of the findings?**
6. **What are the strengths and weaknesses of the study?**
7. **What are the limitations of the study?**
8. **What are the potential applications of the findings?**
9. **What are the future directions for research in this area?**
10. **What are the ethical considerations related to the study?**

RECEIVED

OCT 2 2008

USPTO MAIL CENTER